Operating & Service Manual

Gilson Sieve Shaker
Models SS-8R & SS-12R

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SAFETY INSTRUCTIONS

Safe operation of the Sieve Shaker is your responsibility. You are responsible for operating and maintaining this equipment in compliance with these instructions and with the use of common sense. You should **always** review and completely understand the operating and safety instructions before using the machine.

DANGER: This machine operates on electric current. Improper operation could result in electric shock, electrocution, or an explosion.

1. The standard Gilson Sieve Shaker comes with a 1/3-hp motor wired for 115V, 60Hz. Sieve shakers can also be ordered with special wirings: 230/60, 110/50, and 220/50. Motors are NOT explosion-proof. **Always** make sure the motor and electrical components are appropriated for your intended use and are properly configured.

2. **Always** check electrical wiring for loose connections and for pinched or frayed wiring.

3. **Always** use properly-wired, three-pronged plug, or otherwise ground the machine. Connect the machine to a properly-wired, three-pronged receptacle. Make sure the cord is located where no one will trip or get tangled in it.

4. **Always** disconnect and lock out power supply before performing maintenance and repairs.

Warning: **Never** operate the sieve shaker without having all covers and case in place.

Warning: Keep your body away from the unit's moving parts when it is operating.

Warning: **Always** unplug or disconnect machine from the power source when the unit is not in operation.

Warning: The electric motor on this machine has internal thermal protection. If the motor shuts off from overload, the machine may restart by itself after cooling off, unless the machine is unplugged during cool-down.

Warning: **Always** be sure the machine is level before operation. Re-level if excessive vibration and machine movement occur.

Warning: **Always** wear safety glasses when operating, maintaining, or repairing this machine.

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Models SS-8R and SS-12R

This manual applies to Serial Number SS-1812 and higher. For older units, request manual for your serial number; or convert to current design by ordering parts numbered 4P through 8P from this manual.

I. Uncrating & Assembly Instructions

1. The SS-8R and SS-12R weigh approximately 135 pounds and 162 pounds, respectively. Use appropriate equipment and manpower to uncrate the sieve shaker. Wear safety glasses and work gloves.

2. In most instances, the simplest method of uncrating is to cut the carton away from the machine. Leave the carton intact as far as possible so that it can be used to return the machine if necessary.

3. Lift machine from skids and carton, using appropriate equipment to lift the machine onto a substantial, solid work surface.

4. If you are not going to mount the machine to the work surface, lay the sieve shaker on its side to install of the leveling legs.

5. Turn the legs into the threaded holes in the bottom corners of the outer case. Turn the legs all the way in at this point. Set the sieve shaker upright. Level the machine by adjusting the legs until the machine is level and rigid.

   Further leveling will likely be required once the sieve shaker is fully assembled and ready for operation. Re-level when you move the sieve shaker, when the material in the sieves does not remain evenly distributed, or when the machine becomes unstable in operation.

6. Mount clamp rods (#2) by turning them into holes in sieve platform (#9) until they are flush with bottom of the platform. Make sure that the clamp rods are parallel to each other and that the distance between the tops of the clamp rods is equal to the center-to-center distance between the holes in the clamp bar tube (4P).

7. Tighten clamp rod nuts (#3). The clamp rod acorn nuts (#1) will be installed later.

8. Place the cover (#6P) on a temporary work surface with the sleeve up. Insert the clamp center knob and washer (#5P) through the sleeve and into threads of the clamp bar tube (#4P).

9. Loosen end knobs (#7P), remove the wooden dowel shipping pins at each end of the clamp bar, and place the cover assembly onto the clamp rods (#2).

10. Position the cover assembly approximately one inch below threads at top of rods (#2), and clamp in place by tightening the clamp end knobs (#7P).

11. Screw acorn nuts (#1) onto the tops of the clamp rods (#2) until secure.

12. Place the Sieve Shaker on a substantial, solid work surface sufficient to provide support for this size machine.

13. Re-level prior to operating.

II. Operation

Read and be sure you understand all safety and operating instructions, including the separate timer instructions.

The Gilson Sieve Shaker is designed primarily for sieving material particles of a size ranging from No. 4 to No. 200. Sample quantity should be large enough to be representative, yet small enough to avoid overloading any individual sieve. Maximum loading for sieves size No. 4 and smaller should be about 200g for 8-inch sieves and about 450g for 12-inch sieves. Sieves larger than No. 4 should be limited to about one particle of material for each hole available.

The sieve cover and clamping assembly secure sieve stacks of varying heights. Prepare your sieve stack and clamp it as follows:

1. Unscrew the clamp center knob (#5P) several complete turns to provide slack.

2. Place your sieve stack on the sieve platform.

3. Loosen the end knobs (#7P). Apply inward pressure on the end knobs, while lowering cover assembly until cover rests evenly on the top sieve. Tighten clamp end knobs to lock the assembly to the clamp rods (#2).

4. Tighten clamp center knob (#5P) until center screw pushes cover downward to secure sieve stack in place vertically.

5. Check to see that the machine is level, and correct the leveling, if necessary.

6. Lock leveling legs in final position with lock nuts provided. This step should not have to be repeated until you move the sieve shaker to another substantial solid work surface, until the sieve shaker becomes unstable in operation, or until your sample does not remain evenly dispersed in your top sieve.

7. Connect the three-pronged plug into a 115V, 60Hz grounded power source.

8. Perform your test. Time required to complete a test will vary depending upon the physical characteristics of the test material. Most separations will be complete in ten minutes or less. Refer to your test specifications, and be consistent.

9. Disconnect and lock out power to the Sieve Shaker when it is not in use.

10. The SS-8R and SS-12R Sieve Shakers are equipped with a tapping mechanism which makes a loud noise. If the noise is unacceptable, consider using the SSA-805R Sound Compartment.

Models SS-8R and SS-12R are counterbalanced to permit free-standing operation with most common sieve loadings. With very tall or very short sieve stacks, the units may be unstable and move around during operation. Normally this condition occurs only with sieve stacks exceeding about 20 inches (508mm) in height. This is equivalent to using more than eight sieves and pan of 2-1/8 in. stacking height.

If you need to use tall sieve stacks, and your sieve shaker moves around, try re-leveling. If that does not work, mount the unit to a solid, substantial table or bench.

NOTE: Bolting the machine down is not a substitute for leveling. Bolting the shaker down without proper leveling will cause forces from the unbalanced sieve stack to damage the drive mechanism. This damage is not covered by warranty.

1. Disconnect and lock out power supply. Remove the four threaded leveling legs.

2. Remove left and right case covers, following instructions in disassembly.

3. Obtain four 1/4-in. (6.35mm) diameter bolts with nuts, flat washers and lock washers. Bolt length will depend on the thickness of the mounting bench and on the thickness of the shims which you use to level the Sieve Shaker prior to mounting. Bolting the machine down is not a substitute for leveling.

4. The 1/4" diameter bolts will pass through the leveling leg holes without engaging the threads. If you cannot reach the internal case corners to tighten the bolts, remove the entire operating assembly as described in Disassembly.

Bolt length will depend on thickness of mounting bench. The 1/4-in. diameter bolts will pass through the leveling leg holes without engaging threads. If you cannot reach the internal case corners to tighten the bolts, remove the entire operating assembly as described in Disassembly.

If stability is a problem with short sieve stacks, add extra nonfunctional sieves below an extended-rim pan.

When using 8-inch sieves on the Model SS-12R, always use the platform adapter to compensate for the difference in sieve weights. This adapter can be used with either a regular or an extended-rim pan. When the adapter is positioned with larger I.D. side up, you can use either pan. Invert the adapter for a tighter fit if using only an extended rim pan. Secure the ring to the sieve platform with the two cap screws provided.

III. Maintenance and Disassembly

Before performing maintenance or repairs on the sieve shaker, always read and understand the safety, operating, and maintenance instructions.

Please provide the serial number and model number of the unit when ordering replacement parts.

Routine annual maintenance:

1. Apply of a few drops of oil to the motor end bearings.

2. Inspect the drive belt for wear, tension, and alignment.

   A worn, loose, tight, or misaligned drive belt can affect operation of the sieve shaker.

   The belt should be snug: neither too tight nor too loose. A snug fit assures longer life, less bearing wear, and quieter operation than a belt which is too tight. A loose drive belt may cause the unit to run too slowly or in spurts. The drive belt should deflect 1/64 of the value of the span of the pulleys. The pulleys should be aligned to avoid excessive edge wear.

   Never force or pry the belt over the pulley flanges. Use disassembly steps 1-3.

Every two years or whenever disassembled:

Grease the thrust bearing (#13) and the face of the cam (#31). Perform disassembly steps 1-7 to access these parts.

Disassembly:

1. Disconnect and lock out the power supply.

2. Locate the four cover-mounting screws, and remove them. Remove right (timer side) section of the cover.

   Inside the left cover section, locate two more mounting screws on the cover flanges. Remove these screws and the left section of the cover.

3. Loosen the four motor mounting bolts. Motor will slide toward the left side of the machine, loosening tension on the belt so that you can remove it.

4. Remove the four mounting cap screws (#16) from the mounting plate (#17), and lift the entire unit out of its case.

5. Unhook the two hammer springs (#23).

6. Remove the connecting link nuts (#41) and links (#40).

7. Remove the hammer post capscrews (#25), actuator link screws (#36), bumper block capscrews (#20), and lock ring (#19). Now you can lift the sieve platform with main shaft out of its center housing (#15).

8. If you remove the cam shaft hangers (#27) for any reason, reassemble exactly as removed. The roller clutch block (#33) and one cam shaft hanger (#27) contain overrunning clutches which must be installed to allow correct rotation of the cam shaft (#29), or serious damage will result.

   Main bearings have permanent lubrication and are sealed inside the main housing (#15). This main housing with bearings and hub should not be disassembled in the field; replace them as a unit if necessary.

IV. Troubleshooting

1. **Unit fails to operate**: Check motor, electrical connections, and timer. Replace or reconnect as necessary. Check drive belt tension; replace belt if worn.

2. **Unit runs but fails to give impact tapping**: Remove covers, drive belt and mounting capscrews (#16). Replace or reconnect hammer springs (#23) as required.

3. **Unit operates but is excessively noisy**: Disassemble through step 4. Check resilient faces on bumper block (#20) and replace block if necessary.

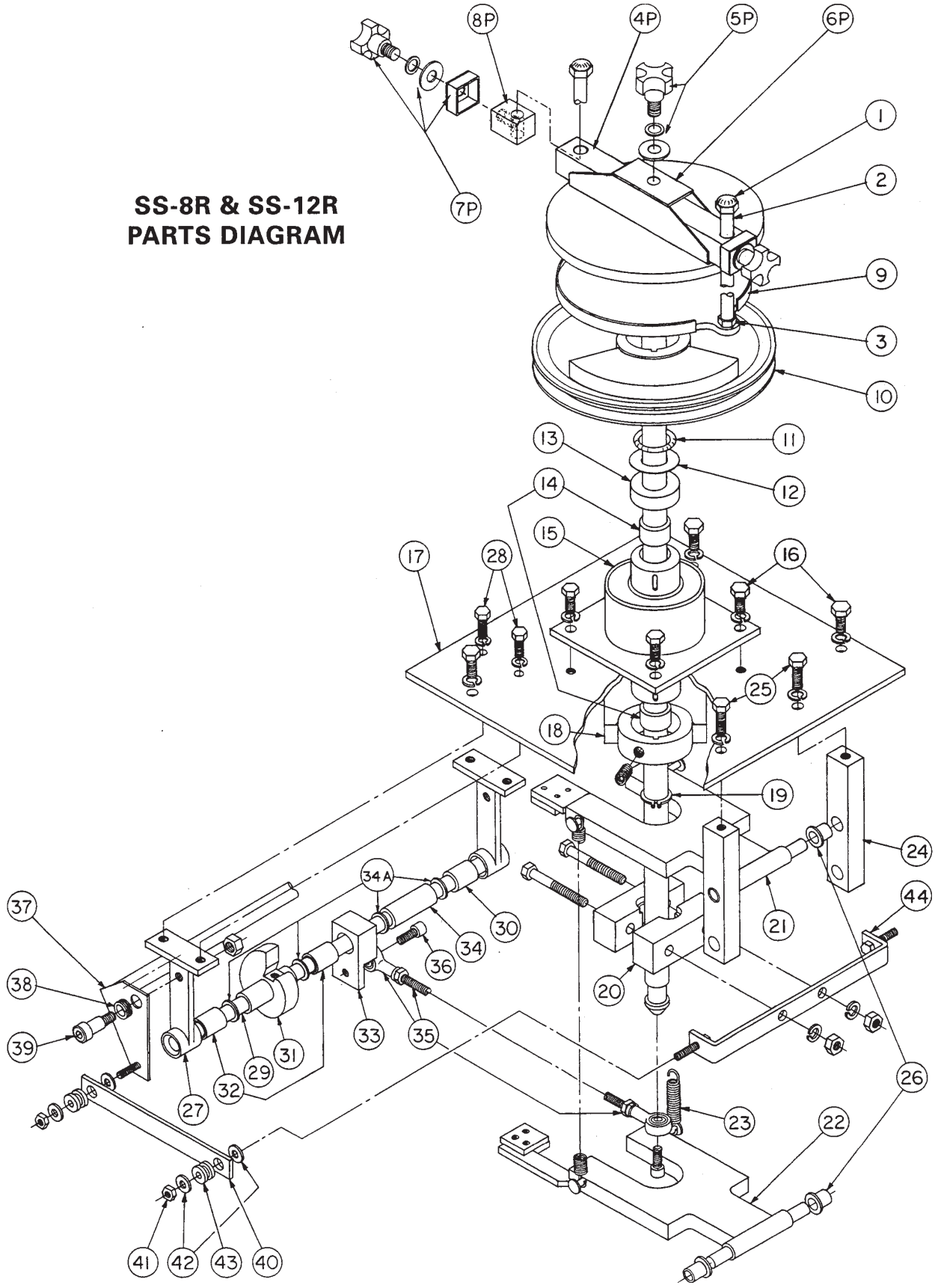
4. **Unit is unstable; shakes or walks too much**:

   a. Readjust level via leveling legs, and lock with lock nuts.

   b. For Model SS-12R, be sure that weighted platform adapter is used when using 8-inch diameter sieves.

   c. Loosen and re-clamp the sieve stack.

   d. Check sieve stack height. If over 20 inches, see Operation.


SS-8R & SS-12R
PARTS DIAGRAM
8P
4P
5P
6P
7P
1
2
9
3
10
13
11
14
12
15
16
17
28
25
18
19
24
34A
44
37
30
21
34
36
38
20
39
33
35
26
29
31
32
27
23
22
41
42
43
40

V. Parts

Sieve Clamping Parts

	No. Req'd	Key No.
Clamp Rod acorn nut	2	1
Clamp rod*	2*	2*
Clamp rod nut	2	3
Clamp bar tube	1	4P
Clamp center knob with screw & washer	1	5P
Clamp compression sleeve with cover	1	6P
Clamp end knob with washer and cap	2	7P
Clamp bar block	2	8P

*Note: Serial No. SS-1529 and lower have 23-1/4" long Clamp Rods. Longer 27-1/16" rods as currently used may be substituted but must be replaced as a pair.

Main Shaft Parts

Sieve platform with main shaft	1	9
Drive pulley & counterweight with key and setscrew	1	10
Neoprene sponge washer	1	11
Anti-friction washer	1	12
Thrust bearing	1	13
Nonmetallic bushing	2	14
Main housing with bearings & hub	1	15
Mounting capscrew with lock washer	8	16
Mounting plate	1	17
Lower counterweight with key & setscrew	1	18
Lock ring	1	19
Bumper block with capscrews (2) and lock washers (2)	1	20

Hammer Assembly Parts

Upper hammer	1	21
Lower hammer	1	22
Hammer spring	2	23
Hammer post	2	24
Hammer post capscrew	2	25
Hammer post nonmetallic bushing	4	26

Cam Shaft Assembly Parts

Cam shaft hanger	2	27
Hanger capscrew & lock washer	4	28
Cam shaft	1	29
Cam shaft hanger bushing	1	30
Cam	1	31
Roller clutch	2	32
Roller clutch block	1	33
Cam shaft spacer	1	34
Cam shaft nylon washers	4	34A
Actuator link with rod ends (2) and nuts (2)	1	35
Actuator link screw	2	36
Stabilizer rocker bracket	1	37
Stabilizer rocker bracket nylon bushing	2	38
Stabilizer rocker bracket bolt & nut	2	39
Connecting link	2	40
Connecting link nut	4	41
Connecting link washer	4	42
Connecting link rubber bushing	4	43
Stabilizer arm	1	44

Outer Case Parts

Outer case	1	—
Left case cover	1	—
Right case cover (including pad on Model SS-8R)	1	—
Cover mounting screw	4	—
Leveling leg with lock nut	4	—

Electric and Driving Parts

Motor, 1/3-hp, 110V, 60Hz	1	—
Motor cord, grommet & plug	1	—
Motor mounting bolt with nut, flat washer and lock washer	1	—
Motor pulley	1	—
Drive belt	1	—
Timer with screws (2)	1	—
Timer cord	1	—

CERTIFICATE OF COMPLIANCE

to specifications of

ASTM – American Society for Testing and Materials

ANSI – American National Standards Institute

ISO – International Standards Organization

This is to certify that this test sieve supplied by Gilson was produced by manufacturing methods and quality control procedures intended to assure conformity to ASTM E 11 (latest revision) at time of shipment. If found to be outside of any ASTM tolerances prior to use, this test sieve will be replaced free of charge.

Test Sieve Quality Manager
GILSON COMPANY, INC.

Certificate of Compliance for All Sieves

HOW TO ORDER SIEVES

Sieves may be ordered either by individual model numbers from the tables on following pages or by description. Ordering by description is convenient when several sieves on an order are of same configuration, differing only by U.S. Standard size designation. Example: 8" diameter, full-height, all brass sieves in sizes 3/4", #4, #8, #30, #100, regular pan.

When ordering by description, all of the following must be specified:

1. **Diameter**: 8" (3", 6", 10", 12" also available)
2. **Metallic Construction**: B (brass cloth, brass frame), C (stainless cloth, brass frame), or S (stainless cloth, stainless frame).
3. **Stacking Height:** Full or Half (also intermediate for 12")
4. **US Standard size designations**: (or mm and µm designations)

Refer to sieve model number tables to be sure that sieves are offered in configurations you order.

PRICES

As the world's largest source of test screening and sieving instruments, Gilson is able to offer top quality sieves manufactured to ASTM E 11 standards at the best possible pricing.

CUSTOM SIEVES

Examples of custom sieves that may be ordered from Gilson: brass frame 5" (127mm) diameter; 8" diameter all brass round and square hole punched plate. **Inquire for your special needs.**

ROUND TEST SIEVES

8" DIAMETER ROUND TEST SIEVES

		Brass Cloth Brass Frame		Stainless Cloth Brass Frame		Stainless Cloth Stainless Frame	
Coarse Series		**Full Ht.**	**Half Ht.**	**Full Ht.**	**Half Ht.**	**Full Ht.**	**Half Ht.**
4"	100mm	—	—	V8CF"400	—	V8SF"400	—
3-1/2"	90mm	—	—	V8CF"350	—	V8SF"350	—
3"	75mm	—	—	V8CF"300	—	V8SF"300	—
2-1/2"	63mm	—	—	V8CF"250	—	V8SF"250	—
2.12"	53mm	—	—	V8CF"212	—	V8SF"212	—
2"	50mm	—	—	V8CF"200	—	V8SF"200	—
1-3/4"	45mm	—	—	V8CF"175	—	V8SF"175	—
1-1/2"	37.5mm	—	—	V8CF"150	—	V8SF"150	—
1-1/4"	31.5mm	—	—	V8CF"125	—	V8SF"125	—
1.06"	26.5mm	—	—	V8CF"106	—	V8SF"106	—
1"	25.0mm	—	—	V8CF"100	—	V8SF"100	—
7/8"	22.4mm	—	—	V8CF"088	—	V8SF"088	—
3/4"	19.0mm	—	—	V8CF"075	—	V8SF"075	—
5/8"	16.0mm	—	—	V8CF"063	—	V8SF"063	—
0.530"	13.2mm	—	—	V8CF"053	—	V8SF"053	—
1/2"	12.5mm	—	—	V8CF"050	—	V8SF"050	—
7/16"	11.2mm	—	—	V8CF"044	—	V8SF"044	—
3/8"	9.5mm	—	—	V8CF"038	—	V8SF"038	—
5/16"	8.0mm	—	—	V8CF"031	—	V8SF"031	—
0.265"	6.7mm	—	—	V8CF"027	—	V8SF"027	—
1/4"	6.3mm	—	—	V8CF"025	V8CH"025	V8SF"025	V8SH"025
No. 3-1/2	5.6mm	V8BF#003	V8BH#003	V8CF#003	V8CH#003	V8SF#003	V8SH#003
No.4	4.75mm	V8BF#004	V8BH#004	V8CF#004	V8CH#004	V8SF#004	V8SH#004
Fine Series							
No.5	4.00mm	V8BF#005	V8BH#005	V8CF#005	V8CH#005	V8SF#005	V8SH#005
No.6	3.35mm	V8BF#006	V8BH#006	V8CF#006	V8CH#006	V8SF#006	V8SH#006
No.7	2.80mm	V8BF#007	V8BH#007	V8CF#007	V8CH#007	V8SF#007	V8SH#007
No.8	2.36mm	V8BF#008	V8BH#008	V8CF#008	V8CH#008	V8SF#008	V8SH#008
No.10	2.00mm	V8BF#010	V8BH#010	V8CF#010	V8CH#010	V8SF#010	V8SH#010
No.12	1.70mm	V8BF#012	V8BH#012	V8CF#012	V8CH#012	V8SF#012	V8SH#012
No.14	1.40mm	V8BF#014	V8BH#014	V8CF#014	V8CH#014	V8SF#014	V8SH#014
No.16	1.18mm	V8BF#016	V8BH#016	V8CF#016	V8CH#016	V8SF#016	V8SH#016
No.18	1.00mm	V8BF#018	V8BH#018	V8CF#018	V8CH#018	V8SF#018	V8SH#018
No.20	850µm	V8BF#020	V8BH#020	V8CF#020	V8CH#020	V8SF#020	V8SH#020
No.25	710µm	V8BF#025	V8BH#025	V8CF#025	V8CH#025	V8SF#025	V8SH#025
No.30	600µm	V8BF#030	V8BH#030	V8CF#030	V8CH#030	V8SF#030	V8SH#030
No.35	500µm	V8BF#035	V8BH#035	V8CF#035	V8CH#035	V8SF#035	V8SH#035
No.40	425µm	V8BF#040	V8BH#040	V8CF#040	V8CH#040	V8SF#040	V8SH#040
No.45	355µm	V8BF#045	V8BH#045	V8CF#045	V8CH#045	V8SF#045	V8SH#045
No.50	300µm	V8BF#050	V8BH#050	V8CF#050	V8CH#050	V8SF#050	V8SH#050
No.60	250µm	V8BF#060	V8BH#060	V8CF#060	V8CH#060	V8SF#060	V8SH#060
No.70	212µm	V8BF#070	V8BH#070	V8CF#070	V8CH#070	V8SF#070	V8SH#070
No.80	180µm	V8BF#080	V8BH#080	V8CF#080	V8CH#080	V8SF#080	V8SH#080
No.100	150µm	V8BF#100	V8BH#100	V8CF#100	V8CH#100	V8SF#100	V8SH#100
No.120	125µm	V8BF#120	V8BH#120	V8CF#120	V8CH#120	V8SF#120	V8SH#120
No.140	106µm	V8BF#140	V8BH#140	V8CF#140	V8CH#140	V8SF#140	V8SH#140
No.170	90µm	V8BF#170	V8BH#170	V8CF#170	V8CH#170	V8SF#170	V8SH#170
No.200	75µm	V8BF#200	V8BH#200	V8CF#200	V8CH#200	V8SF#200	V8SH#200
No.230	63µm	V8BF#230	V8BH#230	V8CF#230	V8CH#230	V8SF#230	V8SH#230
No.270	53µm	V8BF#270	V8BH#270	V8CF#270	V8CH#270	V8SF#270	V8SH#270
No.325	45µm	V8BF#325	V8BH#325	V8CF#325	V8CH#325	V8SF#325	V8SH#325
No.400	38µm	V8BF#400	V8BH#400	V8CF#400	V8CH#400	V8SF#400	V8SH#400
No.450	32µm	—	—	V8CF#450	V8CH#450	V8SF#450	V8SH#450
No.500	25µm	—	—	V8CF#500	V8CH#500	V8SF#500	V8SH#500
No.635	20µm	—	—	V8CF#635	V8CH#635	V8SF#635	V8SH#635
Regular Pan		V8BFXPN	V8BHXPN	V8BFXPN	V8BHXPN	V8SFXPN	V8SHXPN
Extended Rim Pan		V8BFXPE	V8BHXPE	V8BFXPE	V8BHXPE	V8SFXPE	V8SHXPE
Regular Cover		V8BFXCV		V8BFXCV		V8SFXCV	
Cover with Ring		V8BFXCR		V8BFXCR		V8SFXCR	

12-INCH ROUND TEST SIEVES

Gilson Offers 3 Stacking Heights For 12" Sieves: For handling convenience, Intermediate Height is recommended for most applications.

Full Height

Intermediate Height

Half Height

12" DIAMETER ROUND TEST SIEVES

		Brass Cloth Brass Frame			Stainless Cloth Brass Frame			Stainless Cloth Stainless Frame		
Coarse Series		**Full Ht.**	**Inter Ht.**	**Half Ht.**	**Full Ht.**	**Inter Ht.**	**Half Ht.**	**Full Ht.**	**Inter. Ht.**	**Half Ht.**
4"	100mm	—	—	—	V12CF"400	V12CI"400	V12CH"400	V12SF"400	V12SI"400	V12SH"400
3-1/2"	90mm	—	—	—	V12CF"350	V12CI"350	V12CH"350	V12SF"350	V12SI"350	V12SH"350
3"	75mm	—	—	—	V12CF"300	V12CI"300	V12CH"300	V12SF"300	V12SI"300	V12SH"300
2-1/2"	63mm	—	—	—	V12CF"250	V12CI"250	V12CH"250	V12SF"250	V12SI"250	V12SH"250
2.12"	53mm	—	—	—	V12CF"212	V12CI"212	V12CH"212	V12SF"212	V12SI"212	V12SH"212
2"	50mm	—	—	—	V12CF"200	V12CI"200	V12CH"200	V12SF"200	V12SI"200	V12SH"200
1-3/4"	45mm	—	—	—	V12CF"175	V12CI"175	V12CH"175	V12SF"175	V12SI"175	V12SH"175
1-1/2"	37.5mm	—	—	—	V12CF"150	V12CI"150	V12CH"150	V12SF"150	V12SI"150	V12SH"150
1-1/4"	31.5mm	—	—	—	V12CF"125	V12CI"125	V12CH"125	V12SF"125	V12SI"125	V12SH"125
1.06"	26.5mm	—	—	—	V12CF"106	V12CI"106	V12CH"106	V12SF"106	V12SI"106	V12SH"106
1"	25.0mm	—	—	—	V12CF"100	V12CI"100	V12CH"100	V12SF"100	V12SI"100	V12SH"100
7/8"	22.4mm	—	—	—	V12CF"088	V12CI"088	V12CH"088	V12SF"088	V12SI"088	V12SH"088
3/4"	19.0mm	—	—	—	V12CF"075	V12CI"075	V12CH"075	V12SF"075	V12SI"075	V12SH"075
5/8"	16.0mm	—	—	—	V12CF"063	V12CI"063	V12CH"063	V12SF"063	V12SI"063	V12SH"063
0.530"	13.2mm	—	—	—	V12CF"053	V12CI"053	V12CH"053	V12SF"053	V12SI"053	V12SH"053
1/2"	12.5mm	—	—	—	V12CF"050	V12CI"050	V12CH"050	V12SF"050	V12SI"050	V12SH"050
7/16"	11.2mm	—	—	—	V12CF"044	V12CI"044	V12CH"044	V12SF"044	V12SI"044	V12SH"044
3/8"	9.5mm	—	—	—	V12CF"038	V12CI"038	V12CH"038	V12SF"038	V12SI"038	V12SH"038
5/16"	8.0mm	—	—	—	V12CF"031	V12CI"031	V12CH"031	V12SF"031	V12SI"031	V12SH"031
0.265"	6.7mm	—	—	—	V12CF"027	V12CI"027	V12CH"027	V12SF"027	V12SI"027	V12SH"027
1/4"	6.3mm	—	—	—	V12CF"025	V12CI"025	V12CH"025	V12SF"025	V12SI"025	V12SH"025
No. 3-1/2	5.6mm	—	—	—	V12CF#003	V12CI#003	V12CH#003	V12SF#003	V12SI#003	V12SH#003
No.4	4.75mm	—	—	—	V12CF#004	V12CI#004	V12CH#004	V12SF#004	V12SI#004	V12SH#004
Fine Series										
No.5	4.00mm	—	—	—	V12CF#005	V12CI#005	V12CH#005	V12SF#005	V12SI#005	V12SH#005
No.6	3.35mm	—	—	—	V12CF#006	V12CI#006	V12CH#006	V12SF#006	V12SI#006	V12SH#006
No.7	2.80mm	—	—	—	V12CF#007	V12CI#007	V12CH#007	V12SF#007	V12SI#007	V12SH#007
No.8	2.36mm	V12BF#008	V12BI#008	V12BH#008	V12CF#008	V12CI#008	V12CH#008	V12SF#008	V12SI#008	V12SH#008
No.10	2.00mm	V12BF#010	V12BI#010	V12BH#010	V12CF#010	V12CI#010	V12CH#010	V12SF#010	V12SI#010	V12SH#010
No.12	1.70mm	V12BF#012	V12BI#012	V12BH#012	V12CF#012	V12CI#012	V12CH#012	V12SF#012	V12SI#012	V12SH#012
No.14	1.40mm	V12BF#014	V12BI#014	V12BH#014	V12CF#014	V12CI#014	V12CH#014	V12SF#014	V12SI#014	V12SH#014
No.16	1.18mm	V12BF#016	V12BI#016	V12BH#016	V12CF#016	V12CI#016	V12CH#016	V12SF#016	V12SI#016	V12SH#016
No.18	1.00mm	V12BF#018	V12BI#018	V12BH#018	V12CF#018	V12CI#018	V12CH#018	V12SF#018	V12SI#018	V12SH#018
No.20	850µm	V12BF#020	V12BI#020	V12BH#020	V12CF#020	V12CI#020	V12CH#020	V12SF#020	V12SI#020	V12SH#020
No.25	710µm	V12BF#025	V12BI#025	V12BH#025	V12CF#025	V12CI#025	V12CH#025	V12SF#025	V12SI#025	V12SH#025
No.30	600µm	V12BF#030	V12BI#030	V12BH#030	V12CF#030	V12CI#030	V12CH#030	V12SF#030	V12SI#030	V12SH#030
No.35	500µm	V12BF#035	V12BI#035	V12BH#035	V12CF#035	V12CI#035	V12CH#035	V12SF#035	V12SI#035	V12SH#035
No.40	425µm	V12BF#040	V12BI#040	V12BH#040	V12CF#040	V12CI#040	V12CH#040	V12SF#040	V12SI#040	V12SH#040
No.45	355µm	V12BF#045	V12BI#045	V12BH#045	V12CF#045	V12CI#045	V12CH#045	V12SF#045	V12SI#045	V12SH#045
No.50	300µm	V12BF#050	V12BI#050	V12BH#050	V12CF#050	V12CI#050	V12CH#050	V12SF#050	V12SI#050	V12SH#050
No.60	250µm	V12BF#060	V12BI#060	V12BH#060	V12CF#060	V12CI#060	V12CH#060	V12SF#060	V12SI#060	V12SH#060
No.70	212µm	V12BF#070	V12BI#070	V12BH#070	V12CF#070	V12CI#070	V12CH#070	V12SF#070	V12SI#070	V12SH#070
No.80	180µm	V12BF#080	V12BI#080	V12BH#080	V12CF#080	V12CI#080	V12CH#080	V12SF#080	V12SI#080	V12SH#080
No.100	150µm	V12BF#100	V12BI#100	V12BH#100	V12CF#100	V12CI#100	V12CH#100	V12SF#100	V12SI#100	V12SH#100
No.120	125µm	V12BF#120	V12BI#120	V12BH#120	V12CF#120	V12CI#120	V12CH#120	V12SF#120	V12SI#120	V12SH#120
No.140	106µm	V12BF#140	V12BI#140	V12BH#140	V12CF#140	V12CI#140	V12CH#140	V12SF#140	V12SI#140	V12SH#140
No.170	90µm	V12BF#170	V12BI#170	V12BH#170	V12CF#170	V12CI#170	V12CH#170	V12SF#170	V12SI#170	V12SH#170
No.200	75µm	V12BF#200	V12BI#200	V12BH#200	V12CF#200	V12CI#200	V12CH#200	V12SF#200	V12SI#200	V12SH#200
No.230	63µm	V12BF#230	V12BI#230	V12BH#230	V12CF#230	V12CI#230	V12CH#230	V12SF#230	V12SI#230	V12SH#230
No.270	53µm	V12BF#270	V12BI#270	V12BH#270	V12CF#270	V12CI#270	V12CH#270	V12SF#270	V12SI#270	V12SH#270
No.325	45µm	V12BF#325	V12BI#325	V12BH#325	V12CF#325	V12CI#325	V12CH#325	V12SF#325	V12SI#325	V12SH#325
No.400	38µm	—	V12BI#400	V12BH#400	V12CF#400	V12CI#400	V12CH#400	V12SF#400	V12SI#400	V12SH#400
No.450	32µm	—	—	—	V12CF#450	V12CI#450	V12CH#450	V12SF#450	V12SI#450	V12SH#450
No.500	25µm	—	—	—	V12CF#500	V12CI#500	V12CH#500	V12SF#500	V12SI#500	V12SH#500
No.635	20µm	—	—	—	V12CF#635	V12CI#635	V12CH#635	V12SF#635	V12SI#635	V12SH#635
Regular Pan		V12BFXPN	V12BIXPN	V12BHXPN	V12BFXPN	V12BIXPN	V12BHXPN	V12SFXPN	V12SIXPN	V12SHXPN
Extended Rim Pan		V12BFXPE	V12BIXPE	V12BHXPE	V12BFXPE	V12BIXPE	V12BHXPE	V12SFXPE	V12SIXPE	V12SHXPE
Regular Cover		V12BFXCV			V12BFXCV			V12SFXCV		
Cover with Ring		V12BFXCR			V12BFXCR			V12SFXCR		

Backing Cloth

Brass or stainless steel rolled backing cloth can be added to any sieve to increase support to fine mesh. Backing is recommended in large diameter sieves to prevent sagging and tearing at the frame joint—especially if the application calls for overloading, or if sample material is abrasive or of high specific gravity. Unsatisfactory sieve life would suggest replacing with a sieve with backing cloth. (See Table for Model numbers of added backing cloth.) **Sieves with backing cloth are made to order, so deliveries are longer and sieves are nonreturnable.**

Models for Added Rolled Backing Cloth Sieve Support

Sieve Diameter	Brass Cloth	Stainless Cloth
8" (203mm)	SV8-BRB	SV8-SRB
10" (254mm)	SV10-BRB	SV10-SRB
12" (305mm)	SV12-BRB	SV12-SRB

Sieve Diameter & Height Designation		Height, In.* Stacked	Overall	Shipping Data lb (kg)	Cu. Ft.
3" (75mm)	FH	1-1/8	1-1/2	0.5 (0.2)	0.05
	HH	5/8	1-1/8	0.5 (0.2)	0.05
6" (152mm)	FH	1-7/8	2-5/8	1.0 (0.5)	0.12
	HH	1-1/8	1-7/8	1.0 (0.5)	0.12
8" (203mm)	FH	2-1/8	2-7/8	1.4 (0.6)	0.16
	HH	1-1/8	1-7/8	1.2 (0.5)	0.14
10" (254mm)	FH	3-1/8	4	2.7 (1.2)	0.45
12" (305mm)	FH	3-3/8	4-1/4	3.8 (1.7)	0.55
	IH	2-1/8	2-7/8	3.0 (1.4)	0.55
	HH	1-3/4	2-5/8	2.5 (1.1)	0.55

*Heights are approximate and vary due to mesh thickness.

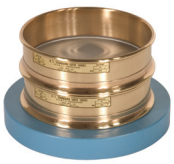
EXCLUSIVE GILSON SIEVE SHAKER ACCESSORIES

CLEAN-N-STOR UNITS			
Clean-n-Stor units are offered in three versions as handy timesaving aids for repetitive sieve emptying, cleaning, and weighing operations associated with 8" or 200mm diam. sieve testing work.			
Stand-alone Model	SSA-802	10 (4.5)	0.4
Model for SS-8R (Bolts to case top)	SSA-801	10 (4.5)	1.0
Model for Electronic Balances	OBA-15R	13 (5.9)	1.0
SIEVE STORAGE RACK			
Adjustable freestanding bench rack SSA-803 holds all diameters of sieves to 12" and is ideal for storing up to 16 Full or Half-Height 8" and 200mm diameter sieves. Order extra support rod set to increase capacity 50% to 2 rows if needed.			
Sieve Storage Rack	SSA-803	8.0 (3.6)	0.3
Extra Support Rod Set	SSA-804	1.3 (0.6)	0.1
WALL MOUNT RACK			
Gilson SSA-820 Sieve Rack Unit is for wall-mounted storage of up to 11 FH or 22 HH 8" (200mm) diameter sieves.	SSA-820	26 (11.8)	0.6
SOUND COMPARTMENTS			
Model SSA-805R Sound Compartment is designed for use with SS-8R and SS-12R Sieve Shakers. Construction is sturdy painted steel with 1" (25mm) of sound deadening foam. Doors are hinged for easy access, and two 3.25" (83mm) knockout ports are provided for hook up of exhaust systems for applications with machines generating airborne dust.	SSA-805R	75 (34)	17.0
PLATFORM ADAPTERS			
Gilson Platform Adapters are weighted for use with SS-8R and 12R Sieve Shakers which require certain loading for proper operation of machine counterbalance feature. SSA-812 is for 12" sieve shakers only.			
For 3" or 75mm sieves	SSA-810	11 (5.0)	0.2
For 6" or 150mm sieves	SSA-811	8 (3.6)	0.1
For 10" or 250mm sieves	SSA-812	5 (2.3)	0.2

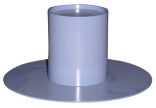
SSA-802

OBA-15R with balance

SSA-801 on SS-8R



SSA-812



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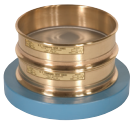
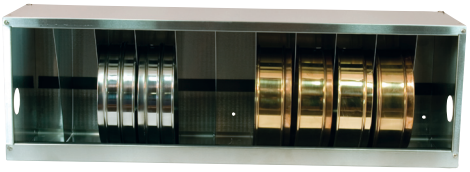
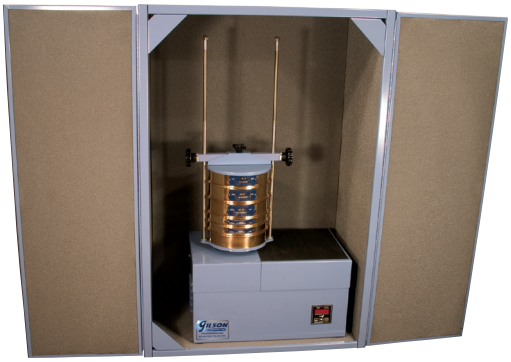


SSA-811



SSA-820



SSA-805R shown with SS-8R

SSA-803 shown with SSA-804 Extra Support Rod Set